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VACAVALLEY RADIO CLUB

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VACAVILLE , CALIFORNIA **August 2015**

Field Day

Well, finally, here are the photographs of the W6VVR Field Day. I never did get any information from anyone so I'm unable to comment on it.

Lots of Action

Where's the Aircraft Beacon?

Gotta Watch Those Low Overheads!!

Sorry, No Vacancy!

Is Skip Supervising or Learning?

My Wife won't Let Me Forget That SHE Made it to Field Day!

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Yeah! I Kinda Like To Be Comfortable During Field Day

Always Dress Up For Field Day.
I Like To Set The Example!

VACA VALLEY RADIO CLUB--2013

ELECTED OFFICERS

President: Frank Garay, KJ6RWQ
Vice President: Kim, KJ6JNX
Secretary: Skip Lawson, AF6HC
Treasurer: Bob Hewitt, K6HEW

BOARD OF DIRECTORS

Director: Antonio DelRio, N6ZGB
Director: Chris Jones, KD7TQO
Director: Arthur Miller, KI6UXE
Director: Richard Craig, KJ6MIB

APPOINTED POSITIONS

Net Control Chairperson: Chris Jones, KD7TQO
Club Activities Chairperson: Board of Directors
Newsletter Editor: Jerry Bowen, KJ6SCC
Newsletter Publisher & Distributor: Bob Hewitt, K6HEW

HMMMMM! What Does That Mean?

Some Like To Relax & Others & Others Like To Work

OK, Now Everybody's Busy; Lottsa Contacts

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As Always, The Field Day Ends With A Great Feed By The "Fantastic 3," George, Maria, and Lauren Vidal!

DARN!! Now We Have To Take Down All THose Fancy Antennas!

QRZ.com Major Website Upgrade Continues

The popular QRZ.com website has been undergoing a major upgrade since July 17, and things are going a bit more slowly than initially anticipated. QRZ.com Founder and President Fred Lloyd, AA7BQ, said the site's engineers encountered some unforeseen problems. "What started out as a simple update that went bad is now almost over,"

Lloyd announced on the site's Facebook page early on July 22. "We've replaced our forums software and are reconfiguring it for use with QRZ. While we realize that many folks have been concerned, we want to express our sincere thanks to those who have been patient and understanding with us as we work overtime to put the system back online." The outage does not affect call sign lookups, logbook, and other site features.

Lloyd said QRZ.com is "looking forward to a shiny new user interface and a bunch of new features for our wildly popular Ham Radio Forums."

How Small WIll Electronics Get?

If you thought surface mount was bad... imagine trying to wire to a transistor made of one molecule and a few atoms. Researchers from a number of countries collaborated to make such a small transistor recently, using a scanning tunneling microscope to help place the molecule in relation to the atoms. This effort differs from other efforts which model very small transistors using 'quantum dots', in that the orientation of the molecule changes depending on its charge state. A theoretical model of the transistor matched the observation using a scanning tunneling microscope.

N6KI

Visit the Repeater online courtesy of Bob K6HEW at: vacavalleyradio.net

Club repeater in Vacaville:W6VVR 145.470 MHz(-) pl 127.3
The W6VVR net call is Tuesday evenings at 8pm on the club repeater. All are invited to participate in this weekly meeting on the air. 73!

Additional local repeaters
WV6F 224.200(-)
WV6F 440.025(+)
WV6F 1291.900(-)

THE BIT BUCKET

RE: W9IMS-Probably the reason why I've been busy using the digital modes due to less-than-stellar band conditions and that's not to say the digital isn't without issues in these "rough" band conditions, but I'm able to get & make my QSO's. I'll likely get back on & into voice mode sometime soon because I doubt how bad the band conditions have been will last forever or into eternity - whichever comes first! The G5RV can only do so much.
7 3, Marcus, KI6WDX

Subject: W9IMS
To be filed in the "*so what*" category: I managed to cut through a *tremendous* amount of lousy propagation on **20M** this evening and get myself logged into the W9IMS log. The best we could muster between us was a 3/2 both ways, but he did repeat my call 3X correctly, and having looked me up, addressed me by name so I'm comfortable that I'm really logged in. Tried to duplicate my efforts on 40M, but it never happened.
The bands have been really ***really*** noisy as of late…. and most days I only hear one or two stations on the bands all day.
Okey dokey guyz — good hunting to you all!

ARRL Dues To Rise In 2016

The Board approved a $10 increase in the League's annual dues rate, effective January 1, 2016. In so doing, the Board adopted a recommendation of the Administration & Finance Committee. ARRL basic dues have been held at $39 a year since 2001. ARRL CEO David Sumner, K1ZZ, said the League has done as much as it can to hold off a dues increase for more than a decade, but now it's a necessity, not an option.

"One of the most difficult decisions a membership organization faces is a dues increase," he said. "Over the past 14 years we have managed to hold the increase in expenses to just 19 percent, against a US

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inflation rate of 32 percent over the same period," he continued. "We have implemented operating efficiencies that allowed reducing the staff by 15 percent while expanding the range of services to members and to Amateur Radio as a whole. We created a development program, offering to those members who have greater financial capacity an opportunity to support their national association at a higher level."

Enhanced membership services since 2001 include inauguration of Logbook of The World® (LoTW); a digital edition of *QST* at no additional cost; expanded *QST* and video product reviews; upgraded public service support including the Ham Aid program, Emergency Communications Training, and the ARES® E-Letter; the Education & Technology program and Teachers Institutes on Wireless Technology, and the Amateur Radio on the International Space Station (ARISS) program. Sumner aid that advocacy on behalf of Amateur Radio has included relentless defense of Amateur Radio spectrum, the Amateur Radio Parity Act, and an increased awareness of the value of Amateur Radio on Capitol Hill.

Details of ARRL's revenues and expenditures are available in its *Annual Report* archive for the years 2002 to 2014. The cost of a basic ARRL membership will rise to $49 on January 1, 2016. An ARRL Life Membership, now $975, will increase to $1225.

Need a PVC enclosure for your project? You can use PVC post covers available from your hardware or home improvement store to build them.

NET CONTROL OPERATORS

1st week of month-Jerry Bowen; KJ6SCC
2nd week of month-Richard Craig; KJ6MIB
3rd week of month-Frank Garay; KJ6RWQ
4th week of month-Jerry Olive, KD6WKY
On months with 5 weeks-Bob Hewitt; K6HEW

THE VVRC WELCOMES YOU

The Vaca Valley Radio Club has proudly served the Northern Solano County Area since 1988. We pride ourselves in providing a friendly place for radio amateurs to meet and improve their operating skills.

We participate in public service events throughout the year and are always ready to assist with communications during times of emergency.

Browsw our website for more information about our club. If you have any questions please e-mail us at w6vvr@w6vvr.net or call 707-448-5665 for assistance

The Repeater is Published by the Vaca Valley Radio Club, PO Box 143, Elmira, CA 95625-0143, An ARRL Affiliated Club. Founded 1987, Chartered 1988. General Meetings: 2nd Thursday of each month at 7:30 PM 420 Elmira Fire Station.

Wheelchair accessible

Cascadia Rising 2016

"Cascadia Rising 2016" is a year-long earthquake preparedness exercise culminating in a four day simulation of a subduction zone earthquake's effect on the Pacific Northwest in June 2016.

This exercise puts the potential of a quake like this in context, relating it to recent and historical seismic events in Asia and other locations.

Certainly there would be an Amateur Radio component of the disaster response, with impacts far beyond the immediately devastated area. VHF repeaters in the affected areas would likely be either inoperative or unable to communicate with distant regional coordination centers, and communications traffic would likely be passed via HF voice and digital modes.

Most people in the United States know just one fault line by name: the San Andreas, which runs nearly the length of California and is perpetually rumored to be on the verge of unleashing "the big one." That rumor is misleading, no matter what the San Andreas ever does. Every fault line has an upper limit to its potency, determined by its length and width, and by how far it can slip. For the San Andreas, one of the most extensively studied and best understood fault lines in the world, that upper limit is roughly an 8.2—a powerful earthquake, but, because the Richter scale is logarithmic, only six per cent as strong as the 2011 event in Japan.

Just north of the San Andreas, however, lies another fault line. Known as the Cascadia subduction zone, it runs for seven hundred miles off the coast of the Pacific Northwest, beginning near Cape Mendocino, California, continuing along Oregon and Washington, and terminating around Vancouver Island, Canada. The "Cascadia" part of its name comes from the Cascade Range, a chain of volcanic mountains that follow the same course a hundred or so miles inland.

The "subduction zone" part refers to a region of the planet where one tectonic plate is sliding underneath (subducting) another. Tectonic plates are those slabs of mantle and crust that, in their epochs-long drift, rearrange the earth's continents and oceans. Most of the time, their movement is slow, harmless, and all but undetectable. Occasionally, at the borders where they meet, it is not.

We now know that the Pacific Northwest has experienced forty-one subduction-zone earthquakes in the past ten thousand years. If you divide ten thousand by forty-one, you get two hundred and forty-three, which is Cascadia's recurrence interval: the average amount of time that elapses between earthquakes. That time span is dangerous both because it is too long—long enough for us to unwittingly build an entire civilization on top of our continent's worst fault line—and because it is not long enough. Counting from the earthquake of 1700, we are now three hundred and fifteen years into a two-hundred-and-forty-three-year cycle.

Following the earthquake will be an immense tsunami, possibly up to 100 feet or more in height Among natural disasters, tsunamis may be the closest to being completely unsurvivable.

Whoever chooses or has no choice but to remain in the area will spend three to six months without electricity, one to three years without drinking water and sewage systems, and three or more years without hospitals. Those estimates do not apply to the tsunami-inundation zone, which will remain all but uninhabitable for years.

To see the full scale of the devastation when that tsunami recedes, you would need to be in the international space station. The inundation zone will be scoured of structures from California to Canada. The earthquake will have wrought its worst havoc west of the Cascades but caused damage as far away as Sacramento, California—as distant from the worst-hit areas as Fort Wayne, Indiana, is from New York. FEMA expects to coordinate search-and-rescue operations across a hundred thousand square miles and in the waters off four hundred and fifty-three miles of coastline. As for casualties: the figures I cited earlier—twenty-seven thousand injured, almost thirteen thousand dead—are based on the agency's official planning scenario, which has the earthquake striking at 9:41 A.M. on February 6th. If, instead, it strikes in the summer, when the beaches are full, those numbers could be off by a horrifying margin.

A 12 page article appeared in the July *New Yorker Magazine* spells out in grapic no-nonsense language what series of events the disaster will do to the west coast. You can read it at ....
www.newyorker.com/magazine/2015/07/20/the-really-big-one.

Pacificon 2015

October 16-18, 2015 at the San Ramon Marriott
in San Ramon, CA

Registration is OPEN!!

Reserve your Tickets and Hotel Room now.

Vendor and Non-Profit Exhibitor registration is OPEN!!

Reserve your spaces now!

Pacificon gives you three great days of activities for one low cost: A full slate of outstanding Forum presentations about a wide range of amateur radio topics, a large Vendor Expo filled with exciting products and exhibits, an outdoor Swap Meet, great QRP activities, a Youth Forum and great Youth Activities

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PLEASE RENEW YOUR MEMBERSHIP

VACAVALLEY RADIO CLUB, INC.

MEMBERSHIP APPLICATION / RENEWAL FORM

Please Print & Fill in Completely. Dues are owed ANNUALLY on your original billing date.

Full Name: _____

Handle: _____

Call Sign: _____

Address: _____

City: _____ Zip: _____

Phone: (Primary) -(_____)_____-_____ OK to Publish? Y / N

Other -(_____) _____-_____ OK to Publish? Y / N

License Class: _____ ARRL Member ? (_____)

E-Mail : _____

FAMILY Member (Spouse or Children)

Full Name: _____ Handle: _____

Call Sign_____ Lic. Class: _____ARRL Member? Y / N

Full Name: _____ Handle: _____

Call Sign_____ Lic. Class: _____ARRL Member? Y / N

MEMBER Dues	$25.00	_____
Each Family Member	$ 2.00	_____
Student	$ 5.00	_____
Repeater/Autopatch donation	$(_ _)	_____
Call/Name badge	$11.00	_____

Paid by CASH: _____

Check # _____ _____

_____

DATE: _____

Optional ARRL membership:

Go to www.ARRL.org and save $2.00 on your ARRL membership by entering "Vaca Valley Radio Club" (VVRC) as your radio club.

Mail to : Vaca Valley Radio Club, PO Box 143, Elmira, CA 95625-0143